25X1A	Approved For Release	2003/02 127 p CJA (RPP 9B017		
NRO REVII	EW COMPLETED		MMCGWG-M-36	
	COMIREX N	MAPPING, CHARTING AND GEODES	SY WORKING GROUP	
	M	inutes of Meeting Held in Ro Pentagon 1400-1600, 1 August 1		
Referral revie 3/1/01	w completed by NIMA	PRESIDING	25	X1A
	;			
	·			
	Purpose of Meeting -	General		
25X1A	the items forwarded to terms, there were thr five items listed on	indicated that the purpose of he Working Group on 30 July ee items for which specific the agenda for which up-to- nd future actions scheduled	in A-MCGWG-M-36. In general actions should be taken, and date status information	
25X1A				
20/1/1/			Copy <mark>21</mark> of 28 Copies	
				X1A X1A
	Excluse Proprogred For Releasification	ase 2003/02 /27/p 05/E-(FRF7 9B017	709A000500010038-6	

	MCGWG-M-36	25X1A
:		
	NRO Progress on Meeting World-Wide Positioning Requirements	
5X1A	3reported that he had been informally advised that NRO was expecting to forward the study on above subject to Chairman, COMIREX on 1 August 1968 and askedconcerning the status. Col	057/4
5X1A	indicated that NRO was aware of our interest in receiving this study and that final changes, as requested by had been made last Monday. Its release was a matter of approval before forwarding	25X1/ 25X1/ 25X1/
	to COMIREX. The Chairman and other members noted that the NRO had been working on the matter since last Fall and had estimated that the study would be forwarded several months ago. Following discussio it was concluded that the Chairman of the Working Group should express to the Chairman, COMIREX the continuing concern of the MCGWG that the NRO	,25X1 <i>I</i>
5X1A	study be forwarded for review in the very near future. In response to question concerning the requirement, indicated that studies were going on within Air Force which could lead to validating a more precise positional requirement than the 450', 90% assurance.	25X1
5X1A	mentioned that DDR&E was also considering whether hardware technology trends would support improved world-wide positioning accuracy	
5X1A	beyond the 450'. expressed that the study did not offer ways and means of collecting data to meet the 450' requirement prior to	

25X1A

MCGWG-M-36

25X1A

25X1A

25X1A

the summer of 1970. _______ noted that this would be about two years later than the requirement still on record. The Working Group discussed briefly the COMIREX action that did not authorize the change in launch time to accomplish the short arc data reduction technique for improving world-wide positioning. _______ indicated that there was an attitude of wanting to be able to take steps to improve the positioning requirements and that a letter was being sent from COMIREX to NRO with copy to MCGWG asking that NRO work closely with the MCGWG in proposing other alternatives to improve target positioning.

KH-4 Re-Coverage Outside Sino-Soviet Area

referred to the discussion at the 11 April MCGWG meeting, at which time the first indication had been made for a requirement for J-3 re-coverage in an area in South America. That discussion further indicated that re-coverage would also be needed in other areas of firm stereo production by AMS or ACIC in the next two years, and that J-3 (KH-4B) photography is much preferred over J-1 photography (KH-4) because of the increased accuracy and decreased cost factors, but that J-1 coverage should still be collected in all areas of difficult weather. It was concluded in the 11 April meeting that the J-1 versus J-3 coverage matter in areas of stereo production would be further studied which had now been done with the conclusion that J-3 re-coverage over areas of J-1 coverage should be obtained only in those areas outside the Sino-Soviet area where there were firm stereo production plans by AMS or ACIC in the next one to two years. The extent of this re-coverage of J-3 over J-1 was estimated at 1 to 2 million square miles annually outside the Sino-Soviet area, and this amount of coverage had been included in the attachment to COMIREX-D-15.2/8 dated 5 June 1968, subject: Revised Requirements for Satellite Photography for Mapping and Charting. It was mentioned that part of the basis for this decision had been that the outer 3 inches of the panoramic cameras of the J-1 system had been found to contain significant distortions such that this portion of the photographs could not be used in analog plotting equipments without severe loss in accuracy. Because of the nature of the J-3 panoramic systems compared to the J-1, such distortions were considerably less and also the J-3 had a 3-inch frame camera compared to the l_2^1 -inch of the J-1, enabling much greater accuracies from the J-3 data. In this review of the quality of KH-4 data for photogrammetric purposes, it had also been found that sun reflections from sandy regions had made coverage of one of the panoramic cameras practically unusable and that something needed to be done to overcome this problem. Discussion indicated that it would be pointless to ask for re-coverage of such areas unless NRO

> 25X1A 25X1A

25X1A

25X1D

25X1A

25X1A

25X1A

25X1A

25X1A 25X1A

25X1A

MCGWG-M-36

could overcome the glare problem. NRO was asked to study this problem to come up with methods of obtaining improved coverage before any recoverage requirements for this purpose were set forth. It was emphasized that re-coverage of J-1 areas outside the Sino-Soviet was required for only those areas of stereo photogrammetric production by AMS and ACIC in the next 1-2 years. For other areas and for other mapping-charting purposes (such as photo revision) the present J-1 coverage would be considered satisfactory. There was considerable discussion of the need for re-coverage - pointing out that this was not well understood in CIA and pointing out that the CIA representative would like to understand more about why this is necessary. It was concluded that action should be taken by the DoD to invite COMIREX representatives to see first-hand, in AMS and ACIC, technical operations and considerations that were the basis for collection requirements for both coverage and re-coverage.	
Technical Criteria for Retaining Geometric Properties in the Processing of Photography	
5 brought out that the question in concern was one of timing in that action was underway to present an appropriate paper to the Working Group mentioned that of DIA had dealt with key technical representatives of Army and Air Force and that a paper with technical criteria was now being coordinated. Since many people had been on leave or on TDY, as much time as possible was needed of NRO stressed that it would be necessary for NRO to have these technical criteria by approximately 1 September, since the NRO was scheduling re-negotiations of contracts at that time. After discussion, asked that the DoD action to develop the criteria be scheduled such that the Working Group meeting could be held by the 14th of August, and that there be ample time to have the criteria in NRO's hands by 1 September.	1A
All-Weather Sensing Capability for Politically Denied Areas	
6. indicated the purpose was to identify the status of actions. advised that his office had furnished a memorandum to the Chairman, COMIREX, setting forth a rather high cost for accomplishing all-weather sensing by satellite means and indicating that it would be more practical to consider such all-weather sensing by aircraft systems. to check on the status of this action in the COMIREX office with the objective of providing appropriate information to the MCGWG.	

25X1A 25X1A

Approved For Release 2003/02/27p: ሮሎ ሚሞ 79B01709A000500010038-6 25X1A MCGWG-M-36 MC&G Requirements Affecting Scheduling of KH-4 Missions without DISICS mentioned that DIA had undertaken action to study 7. [indicated that of the previous nominations the question. by NRO as to which missions from their point of view should not contain the DISIC, that Mission 1105 would carry all UTB and is now "in concrete." He said from his best judgment, this mission was one of the poorest to be considered for carrying a DISIC in that it was a new camera with an old vehicle, has an old programmer, that with the UTB they could get an 18-day mission without the DISIC on board. As a general rule, he thought the scheduling of these missions without DISICS should be roughly six months apart. It was concluded that Mission 1105 should be recognized as the first KH-4B mission without a DISIC. [said that 25X1A the scheduling of KH-4B missions without DISICS from the viewpoint of the utilization community, should be completed prior to 1 October 1968. Consideration of UTB in KH-4B Frame Camera 8. Correspondence originating from the NRO on this subject was forwarded MCGWG members on 28 June 1968 indicating that action would be scheduled at a later date. The question at hand was when the MCGWG would need to complete the action on this matter. 25X1A indicated that NRO must know by the 1st of October. Accordingly, Colonel asked that actions be scheduled to complete this study of the 25X1A applicability of UTB in the early part of September 1968, which would leave enough time for action to go through the COMIREX Committee to NRO. Revised Requirements for Satellite Photography for Mapping and Charting (COMIREX-D-15.2/8 dated 5 June 1968 This item was on the agenda to identify what future action was needed. It was recognized that COMIREX-D-15.2/8 summarized the future program but that only the area KH-4 program as well as the system had been carried forward for coverage aspects of the 35\$14 mentioned that there USIB approval. Both had been concern in the CIA in the final coordination of COMIREX-D-15.2/8 as pertained to KH-4B requirements. It was concluded that the actions required on COMIREX-D-15.2/8. would take up with 25X1A mentioned that in the final USIB coordination of the summary 25X1A for mapping and charting requirements for area coverage by 25X1A (USIB-D-46.4/18, 1 August 1968, LIMDIS) that the DIA concurrence was predicated on the understanding that the 3-5 million square miles annual 25X1A

25X1A

maintenance requirement represents relatively small areas scattered world-wide, whereas the 19-28 million square miles requirement for the first three years consists primarily of large contiguous segments of the earth's surface. COLONEL, USA CHAIRMAN COMIREX MC&G Working Group DISTRIBUTION:	25X1A	Approved For Release 2003/02/27 CM-RDP79B01709A006560010038-6
world-wide, whereas the 19-28 million square miles requirement for the first three years consists primarily of large contiguous segments of the earth's surface. 25X1A COLONEL, USA CHAIRMAN COMIREX MC&G Working Group DISTRIBUTION:		MCGWG-M-36
COLONEL, USA CHAIRMAN COMIREX MC&G Working Group DISTRIBUTION:		world-wide, whereas the 19-28 million square miles requirement for the first three years consists primarily of large contiguous segments
CHAIRMAN COMIREX MC&G Working Group DISTRIBUTION:	25X1A	
·		CHAIRMAN
25X1A		DISTRIBUTION:
	25X1A	
	:	
	:	

25X1A 25X1A